UHF Multiple CHANNEL
WIRELESS MICROPHONE

IR /AUTOSCAN/ FREQUENCY AUTOSELECTION/DIGITAL PILOT
Multiple CHANNELS SELECTABLE PROFESSIONAL WIRELESS MICROPHONE

UHF
WIRELESS MICROPHONE

USER GUIDE

Thank you for purchasing our products, Please read the USER GUIDE carefully before use in order to ensure the product perfomanuce state.

Conference Wireless Microphone
Features and Operation Guide

Features:

1: Frequency rang from UHF740.00-789.75MHz band, anti-interference strong.

2: Use PLL(Phase Locked Loop)and High-precision Quartz crystal, Micro-computer chip control, frequency stability high.

3: IR synchronization improve the use convenience of production.

4: With advanced digital pilot function, put an end to infertern ce and frequency confused.

5: Auto mute and Shock eliminating circuit, avoid shocking and noise when turn on/off.

6: Autoscan the free channels without inference, which reduce your time when you operate.

7: With RF power and adjustable squelch, contronl the operation distance.

8: Dual DC-DC step up circuit for transmitter, RF output won't weaken when batteries power reduce.

9: Simply operation interface and seldom adjustable parts, completely avoid the fault because of operation error.

10: The first one to use silent switch on the conference microphone, it prevents the noise when turn on/off.

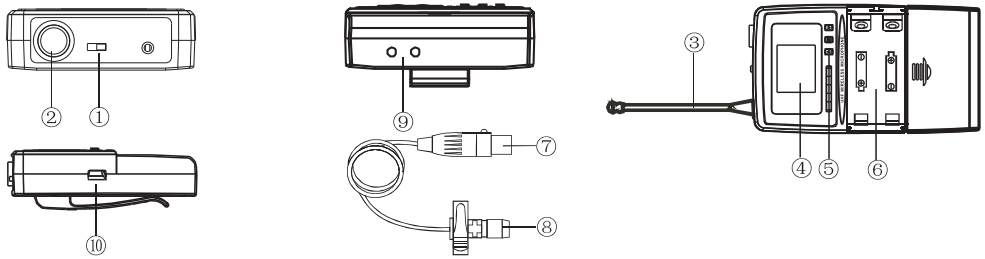
11: High pick-up sensitivity, enables you to speak or sing freely.

12: More sets used together without inferernce.

Troubles and solutions

The following table lists some common troubles and solutions, if you can't resolve it , please contact your dealer

Phenomenon	Reason	Solutions
Microphone power indications for the display space, flashing light rings	No power in batteries	Replace the new batteries
Microphone indicator don't light on when turn on the power switch	Make a wrong Installation about batteries polarity	Inspect the polarity and install it again
	Out of power	Replace the batteries
	Battery plate dirty and rust	Clean or change the battery plate
Receiver haven't response when electrify	The socket do not electrify	Check the socket
	Receiver adaptor are damaged	Check or replace the same specification of power adapter
	Microphone haven't turn on	Turn on the related microphone
	The frequency not match	Adjust the frequency according to the operation manual
Receiver have no reception	Over the operation distance	Back to correct operation distance
	Unauthorized to IR synchronization	Operate the IR synchronization and get the authorization
Receiver have reception but no sound	The volume is to MIN	Adjust the volume of the receiver and amplifier
	Audio cable connected wrong or badness	Check it and connect the audio cable correctly
There is cacophony in the sound box	Sound feedback	Reduce volume, microphone never face to the sound box, and keep some distance from microphone to sound box
The sound is intermittence	Over the operation distance	Back to the correct operation distance
The operation distance is too short	Disorder environment	Avoid the complicated condition, such as big metal objects, walls, scaffolding, etc



①Power switch:"ON"is turn on,"OFF" is turn off.
②Microphone input jack.
③Transmitter antenna:1/4 whip antenna.
④LCD screen:display current working frequency and battery power.
⑤Four function keys:adjust channels and lock frequency (the operation is the same ashandheld transmitter)
⑥Battery:2*1.5V AA battery.
⑦Tie-clip microphone jack:Plugged directly on the microphone input jack that can be used.
⑧Capacitor microphone pick-up head.
⑨Charger.
⑩USB Charger.

Transmitter Operation Guide

High/Low power adjustment

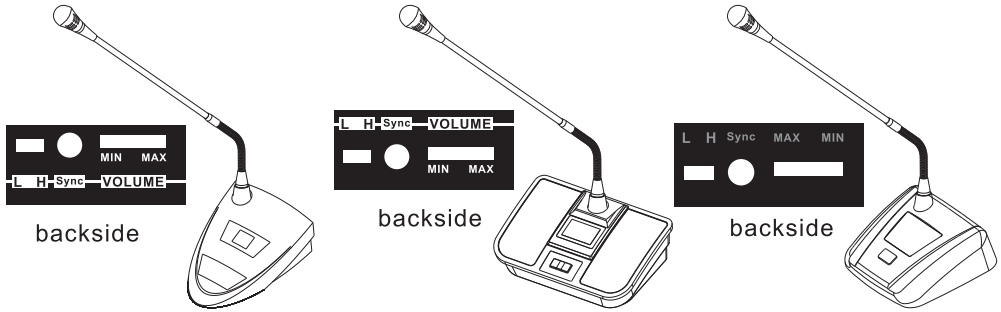
Please put the Slide switch in the back of transmitter to "L", it shows Lower power, "H" to be High power.

Pick-up sensitivity adjustment

Pick-up sensitivity is the lowestwhen the volume potentiometer revolves to MIC, on the contrary to be highest sensitivity.

Infrared synchrotron

Put the transmitter IR window face to the receiver IR window, thenrealize synchrotron operation.



Main Specifictaion Parameters

System Parameters:

1：	Frequency Range	740.00~789.75MHz
2：	Modulation	FM
3：	Adjustable Channels	200 channels
4：	Channel Space	250KHz
5：	Oscillation Mode	PLL synthesized
6：	Frequency Stability	±10ppm
7：	Dynamic Range	100dB
8：	Audio Bandwidth	60~1600Hz
9：	S/N Ratio	⩾110dB
10：	T.H.D at 1kHz	⩽0.5%
11：	Operation distance	150m(Ideal conditions)
12：	Working environment temperature	-10℃~+50℃

Tansmitter Specifications:

1：	Antenna	Built-in
2：	Spurious Suppression	-60db
3：	RF output	10~30mW
4：	Power Supply	2x1.5V AA Size
5：	Battery Life	8-20 hours

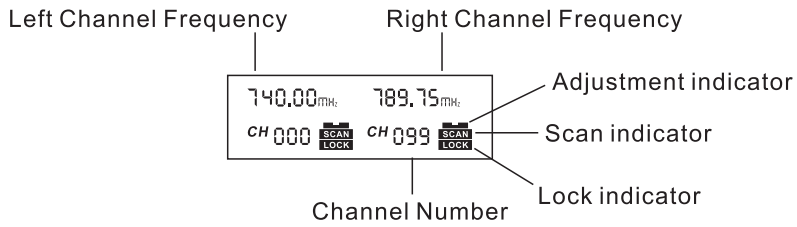
Receiver Specfications:

1：	Receive Mode	Twice mixer superheterodunce circuit
2：	Intermediate Frequency	110MHz, 10.7MHz
3：	Antenna access	BNC/50Ω
4：	Receiver sensitivity	-95~-75dBm
5：	Spurious Suppression	⩾-75dB
6：	Max Output Level	+10dB
7：	Power Supply	DC12V/2A
8：	Consume Power	⩽14W

Operation Guide

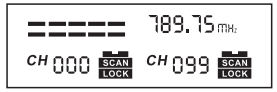
Channel Adjustment:

In the normal turn-on state, Press"SET" a while to enter into the function for manually adjusting channel. The default is from MIC 2, the symbols will flash in the screen, press "SET" again for a while to adjust MIC1, MIC2, press "UP(▲)","DOWN(▼)" to adjust the frequency and channels as you need , it will be saved automatically and exited for 3 seconds.

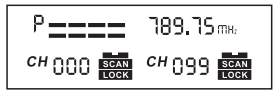


Infrared synchrotron, Digital communications:

In the normal turn-on state, Press “UP(▲)” to IR function, the default is from MIC1, the left of screen will show”=====”and from one to five incremental and repeat, it means it is sending infrared code.



The right side keep the same, then turn MIC1 transmitter and please put the IR window to the IR window of the rece--iver, you can operate in the 5 meters, After this, the receiver MIC1 will show”P====”



After keeping 2 sconds, it will show frequency, channel and then save it automatically to exit. MIC2 the operation method is the same as MIC1. If it isn’t success in 5 seconds, it will exit automatically the IR function and keep the original state.When IR operation, if you press “SET” a second, you can choose MIC1 OR MIC2 to enter into the IR operation separeately. After success, it will save and exit; if press “DOWN(▼)” a second, then exit IR operation.(if it is unsuccessful in 5 seconds, it willexit automatically the IR function and keep the original frequency and ID code)

Autoscan free channel and IR operation:

In the normal turn-on state, press “DOWN(▼)” about 2 seconds to enter into autoscan function, the default is from MIC1, the screen will show” SCAN” and the left symbols flash. After 2 seconds, the screen is changing the frequency and channels, it means it is scanning, sourching the whole channels from low to high, then show and keep the free channel, in the same time, automatically enter IR operations, but it will exit after 5 seconds more or less whether is success or not; If enter into scan function 2 seconds later, you press “ SET” a second, you can choose circularly MIC1 or MIC2 separate. It will be saved and exited after finish; If press “UP(▲)” sencond when scanning, it will exit this function.(if it isn’t success in 5 seconds, it will exit automatically the IR function and keep the original frequency and ID code)

Lock and unlock the key:

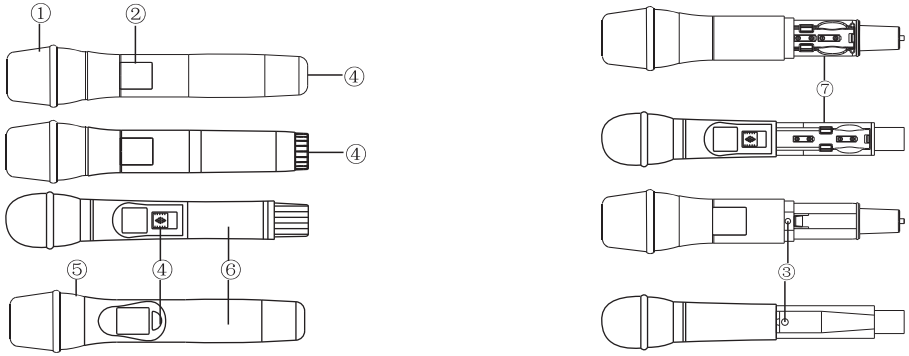
In the normal state, press the key SET not to loose, and then press the “UP(▲)” a second to lock the receiver, the screen will show “LOCK”, the key is useless when locked;Press “SET” not to loose, and then press “DOWN(▼)” to unlock, the screen “LOCK” will disappear, the key can be used. (Lock/Unlock can be done synchronization)

System menu Setting:

Press “ UP(▲)” to turn on to be system setting. After the screen shows”-SET-“, then directly enter into submenu “-SQL-“, Press”SET” a second to choose circularly the submenu”-SQL-“left, “-SQL-“right, “RF OUT” left, “RF OUT”right, “LIGHT”left, “LIGHT”right, “IDF UN” left, “IDF Un”left. At the same time, the symbols flash . Press a second “UP(▲)” or “DOWN(▼)”to choose the setup as you need. Then press SET” to exit.(the receiver sensitivity is total 11 each 2db, -95db to -75db; In “RE OUT” Press “UP(▲)” to choose “H” be high power, “DOWN(▼)” to choose “L” be lower power in the submenu of “RF OUT”. In the submenu of “IDFUN” “LIGHT, press second” UP (▲)” to choose “ON” be turn on, press second” DOWN(▼)” to choose “OFF” be turn off. If have ID code, the related symbol will show normally, if not ID code, therelated symbol won’t show)

Handheld tranmitter features

*Handheld tranmitter control description



①Microphone head: (With high density sponge) the net head by special treatment with anti-roll function.
②LCD screen:display channel, frequency and battery power.
③Infrared Window: “ DOWN” key, the channel parameters to the transmitter.
④Gear power switch: down is turn off, up is normal state.
⑤Microphone handle upper: connecting head and handle part.
⑥The lower part of the microphone handle: counterclockwise rotation can open grip within a plastic bracket.
⑦Plastic bracket:Aircraft batteries, transmitting circuit board, builtin antenna in the tail.

Belt-transmitter Features

*Belt -transmitter control description